

21. A composite material according to claim 1,
wherein said composite material has a thermal conductivity of 30-325W/m • K
in a range of room temperature to 300°C.

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22. A composite material according to claim 1,
wherein said composite material has a coefficient of thermal expansion of
 5×10^{-6} to $14 \times 10^{-6}/^{\circ}\text{C}$ and a thermal conductivity of 30-325W/m • K in a range of room
temperature to 300°C.

23. A composite material according to claim 1,
wherein said composite material has a thermal conductivity in a direction of
orientation greater than twice that in a direction perpendicular to the direction of
orientation.

24. A composite material comprised of copper(Cu) and cuprous oxide
(Cu_2O), characterized in that said composite material contains said cuprous oxide in
an amount of 40-80vol%.

25. A composite material comprised of metal and inorganic particles,
wherein said material includes at least one of Au, Ag, Cu and Al,
wherein said inorganic particles includes at least one of copper oxide, tin
oxide, lead oxide and nickel oxide,
wherein said composite material is sintered, and
wherein said inorganic particles are dispersed in said composite material and
obtained by plastic working. --